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|------------|---|
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FILE 'HOME' ENTERED AT 11:46:18 ON 07 DEC 2005

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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Dec 2, 2005 (20051202/UP).

FILE 'HOME' ENTERED AT 11:46:28 ON 07 DEC 2005

INDEX '1MOBILITY, 2MOBILITY, ABI-INFORM, ADISCTI, AEROSPACE, AGRICOLA, ALUMINIUM, ANABSTR, ANTE, APOLLIT, AQUALINE, AQUASCI, AQUIRE, BABS, BIBLIODATA, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, BLLDB, CABA, CANCERLIT, ...'

ENTERED AT 11:46:48 ON 07 DEC 2005

144 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

```
=> s (carbon(w)dating or radiocarbon(w)dating) AND enamel
      3  FILE BIOSIS
      11 FILE CAPLUS
33 FILES SEARCHED...
57 FILES SEARCHED...
      1  FILE ESBIOBASE
      1  FILE GEOREF
76 FILES SEARCHED...
      2  FILE MEDLINE
98 FILES SEARCHED...
      1  FILE PCTFULL
120 FILES SEARCHED...
      5  FILE SCISEARCH
      2  FILE USPATFULL
134 FILES SEARCHED...

8 FILES HAVE ONE OR MORE ANSWERS, 144 FILES SEARCHED IN STNINDEX
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L1 QUE (CARBON(W) DATING OR RADIOCARBON(W) DATING) AND ENAMEL

```
=> d rank all
F1          11  CAPLUS
F2          5   SCISEARCH
F3          3   BIOSIS
F4          2   MEDLINE
F5          2   USPATFULL
F6          1   ESBIOBASE
F7          1   GEOREF
F8          1   PCTFULL
F9          0   1MOBILITY
F10         0   2MOBILITY
F11         0   ABI-INFORM
F12         0   ADISCTI
F13         0   AEROSPACE
F14         0   AGRICOLA
F15         0   ALUMINIUM
F16         0   ANABSTR
F17         0   ANTE
F18         0   APOLLIT
F19         0   AQUALINE
F20         0   AQUASCI
F21         0   AQUIRE
F22         0   BABS
F23         0   BIBLIODATA
F24         0   BIOBUSINESS
F25         0   BIOCOMMERCE
F26         0   BIOENG
F27         0   BIOTECHABS
F28         0   BIOTECHDS
F29         0   BIOTECHNO
F30         0   BLLDB
F31         0   CABA
F32         0   CANCERLIT
F33         0   CAOLD
F34         0   CASREACT
F35         0   CBNB
F36         0   CEABA-VTB
F37         0   CEN
F38         0   CERAB
F39         0   CHEMINFORMRX
F40         0   CHEMSAFE
F41         0   CIN
F42         0   CIVILENG
F43         0   COMPENDEX
F44         0   COMPUAB
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| | | |
|------|---|--------------|
| F45 | 0 | COMPUSCIENCE |
| F46 | 0 | CONFSCI |
| F47 | 0 | COPPERLIT |
| F48 | 0 | CORROSION |
| F49 | 0 | CROPB |
| F50 | 0 | CROPU |
| F51 | 0 | CSNB |
| F52 | 0 | DDFB |
| F53 | 0 | DDFU |
| F54 | 0 | DETERM |
| F55 | 0 | DGENE |
| F56 | 0 | DISSABS |
| F57 | 0 | DKF |
| F58 | 0 | DPCI |
| F59 | 0 | DRUGB |
| F60 | 0 | DRUGU |
| F61 | 0 | ELCOM |
| F62 | 0 | EMA |
| F63 | 0 | EMBAL |
| F64 | 0 | EMBASE |
| F65 | 0 | ENCOMPLIT |
| F66 | 0 | ENCOMPPAT |
| F67 | 0 | ENERGY |
| F68 | 0 | ENTEC |
| F69 | 0 | ENVIROENG |
| F70 | 0 | EPPFULL |
| F71 | 0 | FOMAD |
| F72 | 0 | FORIS |
| F73 | 0 | FRANCEPAT |
| F74 | 0 | FRFULL |
| F75 | 0 | FROSTI |
| F76 | 0 | FSTA |
| F77 | 0 | GBFULL |
| F78 | 0 | GENBANK |
| F79 | 0 | HEALSAFE |
| F80 | 0 | ICONDA |
| F81 | 0 | IFICLS |
| F82 | 0 | IFIPAT |
| F83 | 0 | IMSDRUGNEWS |
| F84 | 0 | INFODATA |
| F85 | 0 | INIS |
| F86 | 0 | INPADOC |
| F87 | 0 | INSPEC |
| F88 | 0 | INSPHYS |
| F89 | 0 | INVESTEXT |
| F90 | 0 | IPA |
| F91 | 0 | ITRD |
| F92 | 0 | JAPIO |
| F93 | 0 | JICST-EPLUS |
| F94 | 0 | KOREAPAT |
| F95 | 0 | KOSMET |
| F96 | 0 | LIFESCI |
| F97 | 0 | LISA |
| F98 | 0 | MATBUS |
| F99 | 0 | MATH |
| F100 | 0 | MECHENG |
| F101 | 0 | METADEX |
| F102 | 0 | NAPRALERT |
| F103 | 0 | NIOSHTIC |
| F104 | 0 | NLDB |
| F105 | 0 | NTIS |
| F106 | 0 | NUTRACEUT |
| F107 | 0 | OCEAN |
| F108 | 0 | PAPERCHEM2 |
| F109 | 0 | PASCAL |

F110 0 PATDD
F111 0 PATDPA
F112 0 PATDPAFULL
F113 0 PATDPASPC
F114 0 PCTGEN
F115 0 PHARMAML
F116 0 PHIC
F117 0 PHIN
F118 0 PIRA
F119 0 POLLUAB
F120 0 PROMT
F121 0 RAPRA
F122 0 RSWB
F123 0 RUSSIAPAT
F124 0 SOLIDSTATE
F125 0 SOLIS
F126 0 SYNTHLINE
F127 0 TEMA
F128 0 TEXTILETECH
F129 0 TOXCENTER
F130 0 TRIBO
F131 0 TULSA
F132 0 TULSA2
F133 0 UFORDAT
F134 0 ULIDAT
F135 0 USPAT2
F136 0 VETB
F137 0 VETU
F138 0 WATER
F139 0 WELDASEARCH
F140 0 WPIDS
F141 0 WPIFV
F142 0 WPINDEX
F143 0 WSCA
F144 0 WTEXTILES

=> file caplus medline biosis
COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 2.95 3.43

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FILE 'BIOSIS' ENTERED AT 11:49:48 ON 07 DEC 2005
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=> s (carbon(w)dating or radiocarbon(w)dating) AND enamel
L2 16 (CARBON(W) DATING OR RADIOCARBON(W) DATING) AND ENAMEL

=> d scan

L2 16 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 20-3 (History, Education, and Documentation)
TI Inverse methods for estimating primary input signals from time-averaged
isotope profiles
ST radiocarbon dating tooth enamel paleodiet
hippopotamus
IT Diet
(ancient; inverse methods for estimating primary input signals from

time-averaged isotope profiles)

IT Bone
(archaeol.; inverse methods for estimating primary input signals from time-averaged isotope profiles)

IT Isotopes
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(carbon isotope profiles; inverse methods for estimating primary input signals from time-averaged isotope profiles)

IT Tooth
(enamel, formation (amelogenesis); inverse methods for estimating primary input signals from time-averaged isotope profiles)

IT Hippopotamus
Radiocarbon dating

IT Tooth
(inverse methods for estimating primary input signals from time-averaged isotope profiles)

IT Diet
(paleodiet; inverse methods for estimating primary input signals from time-averaged isotope profiles)

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):15

L2 16 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN

CC 53-8 (Mineralogical and Geological Chemistry)
Section cross-reference(s): 20

TI ESR dating at Mezmaiskaya Cave, Russia

ST fauna Neanderthal hominin bone ESR age detn Mezmaiskaya Russia

IT Caves
ESR dating
Radiocarbon dating

Stalactites
Stalagmites
(age determination of faunal remains of Neanderthal hominins from the Mezmaiskaya (Russia) Cave, based on ESR data)

IT Limestone, occurrence
RL: GOC (Geological or astronomical occurrence); PRP (Properties); OCCU (Occurrence)
(age determination of faunal remains of Neanderthal hominins from the Mezmaiskaya (Russia) Cave, based on ESR data)

IT Groundwaters
(cave; age determination of faunal remains of Neanderthal hominins from the Mezmaiskaya (Russia) Cave, based on ESR data)

IT Bone
Skeleton
Skull
(human; age determination of faunal remains of Neanderthal hominins from the Mezmaiskaya (Russia) Cave, based on ESR data)

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CC 20-3 (History, Education, and Documentation)

TI X-ray fluorescence characterization of the Corona Ferrea

ST Iron Crown art x ray fluorescence; metal glass **enamel** analysis
Iron Crown

IT Art
Enamels (vitreous)
Radiocarbon dating
(X-ray fluorescence characterization of the Corona Ferrea)

IT Glass, analysis
Metals, analysis
RL: AMX (Analytical matrix); ANST (Analytical study)
(X-ray fluorescence characterization of the Corona Ferrea)

IT Alloys, analysis
RL: ANT (Analyte); ANST (Analytical study)
(X-ray fluorescence characterization of the Corona Ferrea)

IT X-ray spectroscopy

(fluorescence; X-ray fluorescence characterization of the Corona Ferrea)

IT Fluorometry
(x-ray; X-ray fluorescence characterization of the Corona Ferrea)

IT 7439-89-6, Iron, occurrence 7439-96-5, Manganese, occurrence
7440-09-7, Potassium, occurrence 7440-22-4, Silver, occurrence
7440-24-6, Strontium, occurrence 7440-31-5, Tin, occurrence 7440-36-0,
Antimony, occurrence 7440-48-4, Cobalt, occurrence 7440-50-8, Copper,
occurrence 7440-57-5, Gold, occurrence 7440-66-6, Zinc, occurrence
7440-70-2, Calcium, occurrence
RL: OCU (Occurrence, unclassified); OCCU (Occurrence)
(X-ray fluorescence characterization of the Corona Ferrea)

L2 16 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 20-3 (History, Education, and Documentation)

TI Carbon isotopic evidence for the emergence of C4 plants in the Neogene from Pakistan and Kenya

ST radiocarbon dating C4 plant Neogene paleoenvironment

IT Apatite-group minerals
RL: MSC (Miscellaneous)
(radiocarbon dating of, C4 plants emergence in Neogene in relation to)

IT Plant
(C4, emergence of, in Neogene, carbon isotopic evidence for)

IT Ecology
(ecosystem, grassland, in Neogene from Pakistan and Kenya, C4 plants emergence in)

IT Environment
(paleo-, C4 plants emergence in Neogene from Pakistan and Kenya in relation to)

IT Geological age determination
(radiocarbon, of C4 plants emergence in Neogene from Pakistan and Kenya)

L2 16 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI ISOTOPIC EVIDENCE FOR DIETARY DIFFERENCES BETWEEN TWO EXTINCT BABOON SPECIES FROM SWARTKRANS SOUTH AFRICA.

IT Miscellaneous Descriptors
PAPIO-ROBINSONI THEROPITHECUS-DARTI TOOTH ENAMEL GRAZING
BROWSING CARBON DATING PLEISTOCENE SOUTH AFRICA;
Fossil

L2 16 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 20-3 (History, Education, and Documentation)
Section cross-reference(s): 13, 18, 53

TI Early Pliocene hominids from Gona, Ethiopia

ST archaeol paleontol fossil bone tooth diet Pliocene hominid Ethiopia

IT Archaeology
Argon-argon age
Bovidae
Diet
Elephantidae
Embryophyta
Fossils
Geological dating
Geological sediments
Giraffidae
Hippopotamidae
Paleontology
Radiocarbon age
Radiocarbon dating
Rhinocerotidae
Tragelaphus
(Early Pliocene hominids from Gona, Ethiopia)

IT Fossils

(bone; Early Pliocene hominids from Gona, Ethiopia)
IT Tooth
(enamel; Early Pliocene hominids from Gona, Ethiopia)
IT Evolution
(mol.; Early Pliocene hominids from Gona, Ethiopia)

L2 16 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 20-0 (History, Education, and Documentation)
TI Chronometric Dating in Archaeology: A Review
ST review archaeol radiocarbon dating history
IT Archaeology
History
Radiocarbon dating
(chronometric dating in archaeol.)

L2 16 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 20-3 (History, Education, and Documentation)
TI Is tooth enamel carbonate a suitable material for
radiocarbon dating?
ST ancient tooth enamel radiocarbon dating
IT Archaeology
(radiocarbon dating of tooth enamel
carbonate)
IT Carbonates, miscellaneous
RL: MSC (Miscellaneous)
(radiocarbon dating of tooth enamel
carbonate)
IT Tooth
(enamel, archaeol.; radiocarbon dating of
tooth enamel carbonate)
IT Geological age determination
(radiocarbon, radiocarbon dating of tooth
enamel carbonate)

L2 16 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI ESR dating of tooth enamel from Aterian levels at Mugharet el
'Aliya (Tangier, Morocco).
IT Methods & Equipment
chronometric dating: applied and field techniques; electron spin
resonance dating [ESR dating]: applied and field techniques;
radiocarbon dating: applied and field techniques
IT Miscellaneous Descriptors
Early Uptake model [EU model]; Linear Uptake model [LU model];
Mousterian-to-Aterian transition; Paleolithic; sand deposition

L2 16 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 20-3 (History, Education, and Documentation)
Section cross-reference(s): 11, 18, 53
TI Environmentally driven dietary adaptations in African mammals
ST paleontol dietary adaptation grassland mammal evolution carbon isotopic
analysis
IT Embryophyta
(C3 plant; environmentally driven dietary adaptations in African
mammals)
IT Embryophyta
(C4 plant; environmentally driven dietary adaptations in African
mammals)
IT Tooth
(enamel; environmentally driven dietary adaptations in African
mammals)
IT Adaptation, animal
(environmentally driven dietary adaptations in African mammals)
IT Diet
Ecology
Elephantidae

Equidae
Extinction, biological
Fossils
Geological age (relative)
Giraffidae
Gomphotherium
Grasslands
Paleontology
Photosynthesis, biological
Radiocarbon age
 Radiocarbon dating
Stratigraphy
Suidae
 (environmentally riven dietary adaptations in African mammals)

IT Isotopes
RL: OCU (Occurrence, unclassified); OCCU (Occurrence)
 (environmentally riven dietary adaptations in African mammals)

L2 16 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 20-0 (History, Education, and Documentation)
Section cross-reference(s): 8, 13

TI "Isotope language" of the Alpine Iceman investigated with AMS and MS
ST review archaeol isotope tooth bone intestine Alpine Iceman migration

IT Minerals, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (biominerals; use of stable and radioactive isotopes to elucidate
 Alpine Iceman)

IT Intestine
 (contents of; use of stable and radioactive isotopes to elucidate
 Alpine Iceman)

IT Tooth
 (enamel; use of stable and radioactive isotopes to elucidate
 Alpine Iceman)

IT Behavior
 (migratory, human; use of stable and radioactive isotopes to elucidate
 Alpine Iceman)

IT Archaeology
Bone
Human
 Radiocarbon dating
Soils
Waters
 (use of stable and radioactive isotopes to elucidate Alpine Iceman)

IT Isotopes
Radionuclides, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (use of stable and radioactive isotopes to elucidate Alpine Iceman)

L2 16 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 20-3 (History, Education, and Documentation)
TI Age estimation from a tooth dated ca. 3,000 B.C. by racemization of amino acid
ST tooth age estn aspartate racemization; ancient man age estn tooth aspartate
IT Anthropology
Bone
Longevity
Racemization
 Radiocarbon dating
Tooth
 (age estimation from a tooth dated ca. 3,000 B.C. by racemization of amino acid)

IT Amino acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(age estimation from a tooth dated ca. 3,000 B.C. by racemization of amino acid)
 IT 56-84-8, L-Aspartic acid, biological studies 1783-96-6, D-Aspartic acid
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (age estimation from a tooth dated ca. 3,000 B.C. by racemization of amino acid)

 L2 16 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
 CC 6 (Biochemical Methods)
 TI Radiocarbon: analysis of inorganic carbon of fossil bone and enamel
 ST radioanal fossils; fossils radioanal; carbon dating
 fossil bone; dating carbon fossil bone; bone fossil carbon
 dating; apatite radiocarbon anal; calcium carbonate radiocarbon
 anal
 IT Fossils
 (carbon isotope determination in bone and enamel)
 IT Teeth
 (enamel, carbon isotope determination in fossil)
 IT 1306-05-4
 RL: ANST (Analytical study)
 (carbon isotope determination in, of fossil bone)
 IT 7440-44-0D, Carbon, isotopes of, analysis
 RL: ANT (Analyte); ANST (Analytical study)
 (determination of, in fossil bones and enamel)

 L2 16 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
 TI A contribution to the nutritional history of prehistoric Sardinia (Italy):
 Preliminary results of isotopic analyses of bone collagen, bone apatite
 and tooth enamel.
 IT Methods & Equipment
 DNA analysis; genetic techniques, laboratory techniques; Kiel
 individual acid bath system; laboratory techniques; isotopic analysis:
 laboratory techniques; mass spectrometry; laboratory techniques,
 spectrum analysis techniques; radiocarbon dating:
 applied and field techniques
 IT Miscellaneous Descriptors
 Bronze Age; University of South Florida [USF]; agriculture; coastal
 sites; farming; fishing; herding; inland sites; mobility patterns;
 nutritional history; pastoralism; prehistoric societies;
 socioeconomics; subsistence strategies

NOT ALL FILES IN THE CURRENT ENVIRONMENT ALLOW THE USE OF SCAN
 ALL ELIGIBLE ANSWERS HAVE BEEN SCANNED

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=> ind all
FILE 'ENCOMPLIT2' ACCESS NOT AUTHORIZED
FILE 'ENCOMPPAT2' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY          SESSION
FULL ESTIMATED COST          11.13          14.56
  

INDEX '1MOBILITY, 2MOBILITY, ABI-INFORM, ADISCTI, AEROSPACE, AGRICOLA,
      ALUMINIUM, ANABSTR, ANTE, APOLLIT, AQUALINE, AQUASCI, AQUIRE, BABS,
      BIBLIODATA, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS,
      BIOTECHDS, BIOTECHNO, BLLDB, CABA, CANCERLIT, ...'
ENTERED AT 11:50:45 ON 07 DEC 2005
  
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144 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
 search error messages that display as 0* with SET DETAIL OFF.

```
=> s (carbon(w)dating or radiocarbon(w)dating) AND (skin or blood or brain)
      4  FILE ABI-INFORM
      2  FILE AQUASCI
     13  FILE BIOSIS
      1  FILE BIOTECHNO
22 FILES SEARCHED...
      9  FILE CAPLUS
      1  FILE CROPU
45 FILES SEARCHED...
      3  FILE EMBASE
      2  FILE ENERGY
61 FILES SEARCHED...
      1  FILE ESBIOBASE
      3  FILE GEOREF
76 FILES SEARCHED...
      2  FILE INIS
      1  FILE INSPEC
      2  FILE JICST-EPLUS
      1  FILE LIFESCI
      1  FILE MEDLINE
97 FILES SEARCHED...
      3  FILE NLDB
      1  FILE OCEAN
      1  FILE PASCAL
      3  FILE PCTFULL
117 FILES SEARCHED...
     15  FILE PROMT
      6  FILE SCISEARCH
      1  FILE TEXTILETECH
      2  FILE TOXCENTER
      9  FILE USPATFULL
      1  FILE USPAT2
139 FILES SEARCHED...
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25 FILES HAVE ONE OR MORE ANSWERS, 144 FILES SEARCHED IN STNINDEX

L3 QUE (CARBON(W) DATING OR RADIOCARBON(W) DATING) AND (SKIN OR BLOOD OR BRAIN)

```
=> d rank all
F1          15  PROMT
F2          13  BIOSIS
F3           9  CAPLUS
F4           9  USPATFULL
F5           6  SCISEARCH
F6           4  ABI-INFORM
F7           3  EMBASE
F8           3  GEOREF
F9           3  NLDB
F10          3  PCTFULL
F11          2  AQUASCI
F12          2  ENERGY
F13          2  INIS
F14          2  JICST-EPLUS
F15          2  TOXCENTER
F16          1  BIOTECHNO
F17          1  CROPU
F18          1  ESBIOBASE
F19          1  INSPEC
F20          1  LIFESCI
F21          1  MEDLINE
F22          1  OCEAN
F23          1  PASCAL
F24          1  TEXTILETECH
F25          1  USPAT2
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| | | |
|-----|---|--------------|
| F26 | 0 | 1MOBILITY |
| F27 | 0 | 2MOBILITY |
| F28 | 0 | ADISCTI |
| F29 | 0 | AEROSPACE |
| F30 | 0 | AGRICOLA |
| F31 | 0 | ALUMINIUM |
| F32 | 0 | ANABSTR |
| F33 | 0 | ANTE |
| F34 | 0 | APOLLIT |
| F35 | 0 | AQUALINE |
| F36 | 0 | AQUIRE |
| F37 | 0 | BABS |
| F38 | 0 | BIBLIODATA |
| F39 | 0 | BIOBUSINESS |
| F40 | 0 | BIOCOMMERCE |
| F41 | 0 | BIOENG |
| F42 | 0 | BIOTECHABS |
| F43 | 0 | BIOTECHDS |
| F44 | 0 | BLLDB |
| F45 | 0 | CABA |
| F46 | 0 | CANCERLIT |
| F47 | 0 | CAOLD |
| F48 | 0 | CASREACT |
| F49 | 0 | CBNB |
| F50 | 0 | CEABA - VTB |
| F51 | 0 | CEN |
| F52 | 0 | CERAB |
| F53 | 0 | CHEMINFORMRX |
| F54 | 0 | CHEMSAFE |
| F55 | 0 | CIN |
| F56 | 0 | CIVILENG |
| F57 | 0 | COMPENDEX |
| F58 | 0 | COMPUAB |
| F59 | 0 | COMPUSCIENCE |
| F60 | 0 | CONFSCI |
| F61 | 0 | COPPERLIT |
| F62 | 0 | CORROSION |
| F63 | 0 | CROPB |
| F64 | 0 | CSNB |
| F65 | 0 | DDFB |
| F66 | 0 | DDFU |
| F67 | 0 | DETHERM |
| F68 | 0 | DGENE |
| F69 | 0 | DISSABS |
| F70 | 0 | DKF |
| F71 | 0 | DPCI |
| F72 | 0 | DRUGB |
| F73 | 0 | DRUGU |
| F74 | 0 | ELCOM |
| F75 | 0 | EMA |
| F76 | 0 | EMBAL |
| F77 | 0 | ENCOMPLIT |
| F78 | 0 | ENCOMPPAT |
| F79 | 0 | ENTEC |
| F80 | 0 | ENVIROENG |
| F81 | 0 | EPFULL |
| F82 | 0 | FOMAD |
| F83 | 0 | FORIS |
| F84 | 0 | FRANCEPAT |
| F85 | 0 | FRFULL |
| F86 | 0 | FROSTI |
| F87 | 0 | FSTA |
| F88 | 0 | GBFULL |
| F89 | 0 | GENBANK |
| F90 | 0 | HEALSAFE |

| | | |
|------|---|-------------|
| F91 | 0 | ICONDA |
| F92 | 0 | IFICLS |
| F93 | 0 | IFIPAT |
| F94 | 0 | IMSDRUGNEWS |
| F95 | 0 | INFODATA |
| F96 | 0 | INPADOC |
| F97 | 0 | INSPHYS |
| F98 | 0 | INVESTTEXT |
| F99 | 0 | IPA |
| F100 | 0 | ITRD |
| F101 | 0 | JAPIO |
| F102 | 0 | KOREAPAT |
| F103 | 0 | KOSMET |
| F104 | 0 | LISA |
| F105 | 0 | MATBUS |
| F106 | 0 | MATH |
| F107 | 0 | MECHENG |
| F108 | 0 | METADEX |
| F109 | 0 | NAPRALERT |
| F110 | 0 | NIOSHTIC |
| F111 | 0 | NTIS |
| F112 | 0 | NUTRACEUT |
| F113 | 0 | PAPERCHEM2 |
| F114 | 0 | PATDD |
| F115 | 0 | PATDPA |
| F116 | 0 | PATDPAFULL |
| F117 | 0 | PATDPASPC |
| F118 | 0 | PCTGEN |
| F119 | 0 | PHARMAML |
| F120 | 0 | PHIC |
| F121 | 0 | PHIN |
| F122 | 0 | PIRA |
| F123 | 0 | POLLUAB |
| F124 | 0 | RAPRA |
| F125 | 0 | RSWB |
| F126 | 0 | RUSSIAPAT |
| F127 | 0 | SOLIDSTATE |
| F128 | 0 | SOLIS |
| F129 | 0 | SYNTHLINE |
| F130 | 0 | TEMA |
| F131 | 0 | TRIBO |
| F132 | 0 | TULSA |
| F133 | 0 | TULSA2 |
| F134 | 0 | UFORDAT |
| F135 | 0 | ULIDAT |
| F136 | 0 | VETB |
| F137 | 0 | VETU |
| F138 | 0 | WATER |
| F139 | 0 | WELDASEARCH |
| F140 | 0 | WPIDS |
| F141 | 0 | WPIFV |
| F142 | 0 | WPINDEX |
| F143 | 0 | WSCA |
| F144 | 0 | WTEXTILES |

=> FIL STNGUIDE
COST IN U.S. DOLLARS
FULL ESTIMATED COST

| SINCE FILE ENTRY | TOTAL SESSION |
|---------------------|------------------|
| 2.95 | 17.51 |

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=> s (carbon(w)dating or radiocarbon(w)dating) AND (skin or blood or brain)
L4 24 (CARBON(W) DATING OR RADIOCARBON(W) DATING) AND (SKIN OR BLOOD
OR BRAIN)

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=> dup rem
ENTER L# LIST OR (END):14
PROCESSING COMPLETED FOR L4
L5          24 DUP REM L4 (0 DUPLICATES REMOVED)
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=> d scan

L5 24 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI A NEW FIND OF A MAMMOTH ON CHUKOTSKII PENINSULA RUSSIAN SFSR USSR.
IT Miscellaneous Descriptors
PALYNOLOGICAL ANALYSIS RADIOCARBON DATING
SKIN MUSCLE CONNECTIVE TISSUE: Fossil

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1) : 23

L5 24 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
TI Identifying the binder in ancient Texas rock paintings.

L5 24 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 9-0 (Biochemical Methods)
Section cross-reference(s): 20
TI Archeo-cell biology: Carbon dating is not just for
pots and dinosaurs
ST review retrospective birth dating cell carbon 14 DNA; **brain**
neuron retrospective birth dating carbon 14 DNA review
IT **Brain**
(cerebellum; retrospective birth dating of cells in humans based on 14C
in genomic DNA related to nuclear weapons testing time points)
IT **Brain**
(cerebral cortex; retrospective birth dating of cells in humans based
on 14C in genomic DNA related to nuclear weapons testing time points)
IT Animal cell
Cell proliferation
Human
Neurogenesis
Neuron
Nuclear weapons
Radioactive fallout
Radioactive pollution
 Radiocarbon dating
Radiochemical analysis

(retrospective birth dating of cells in humans based on 14C in genomic DNA related to nuclear weapons testing time points)

IT DNA
RL: ANT (Analyte); PRP (Properties); ANST (Analytical study)
(retrospective birth dating of cells in humans based on 14C in genomic DNA related to nuclear weapons testing time points)

IT 14762-75-5, analysis
RL: ANT (Analyte); BUU (Biological use, unclassified); ANST (Analytical study); BIOL (Biological study); USES (Uses)
(retrospective birth dating of cells in humans based on 14C in genomic DNA related to nuclear weapons testing time points)

L5 24 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI A RADIOLOGICAL AND HISTOLOGICAL INVESTIGATION INTO THE MUMMIFICATION OF
CATS FROM ANCIENT EGYPT.

IT Miscellaneous Descriptors
FELIS-CHAUS FELIS-SILVESTRIS-LIBYCA FELIS-BUBASTIS AGE AT DEATH
SKIN HAIR RADIO CARBON DATING ELECTRON
MICROSCOPY BRITISH MUSEUM OF NATURAL HISTORY UK

L5 24 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 20-3 (History, Education, and Documentation)
TI Updating recent studies on the Shroud of Turin
ST ancient textile Shroud Turin dating
IT Archaeology
(radiocarbon dating and anal. of Shroud of Turin)

IT Textiles
(archaeol., radiocarbon dating and anal. of Shroud
of Turin)

IT Geological age determination
(radiocarbon, radiocarbon dating and anal. of
Shroud of Turin)

L5 24 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Histological analysis on the medieval mummy in Korea.
IT Methods & Equipment
histological analysis: histology and cytology techniques, laboratory
techniques; radiocarbon dating: applied and field
techniques

IT Miscellaneous Descriptors
Chosun Dynasty; medieval mummy

L5 24 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI METHUEN STUDIES IN SCIENCE RADIOACTIVITY AND THE LIFE SCIENCES.
IT Miscellaneous Descriptors
HUMAN RADIOLOGICAL PROTECTION EXTRATERRESTRIAL RADIOACTIVITY
BLOOD CIRCULATION STUDIES KIDNEY FUNCTION DETERMINATION ISOTOPE
THERAPY THYROID UPTAKE TEST LIQUID SCINTILLATION COUNTING RADIO
CARBON DATING PHOTOSYNTHESIS PEST CONTROL FOOD
PRESERVATION

L5 24 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI THE INCREASE OF TRACE-GAS CONCENTRATION IN THE ATMOSPHERE CAN WE AFFORD TO
IGNORE IT?.
IT Miscellaneous Descriptors
HUMAN SKIN CANCER DENDROCHRONOLOGY GLOBAL WARMING
RADIOCARBON DATING AIR POLLUTION CHLOROFLUOROCARBON
OZONE LAYER UV RADIATION

L5 24 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Methods for the study of ancient hair: Radiocarbon dates and gene
sequences from individual hairs.
IT Methods & Equipment
accelerator mass spectrometry radiocarbon dating:
dating method; radiocarbon dating: dating method

L5 24 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 9-8 (Biochemical Methods)
Section cross-reference(s): 20
TI Retrospective birth dating of cells in humans
ST retrospective birth dating cell carbon 14 DNA nuclear testing;
brain neuron retrospective birth dating carbon 14 DNA
IT **Brain**
 (cerebellum; retrospective birth dating of cells in humans based on 14C
 in genomic DNA related to nuclear weapons testing time points)
IT **Brain**
 (cerebral cortex; retrospective birth dating of cells in humans based
 on 14C in genomic DNA related to nuclear weapons testing time points)
IT Animal cell
Cell proliferation
Human
Neurogenesis
Neuron
Nuclear weapons
Radioactive fallout
Radioactive pollution
 Radiocarbon dating
Radiochemical analysis
 (retrospective birth dating of cells in humans based on 14C in genomic
 DNA related to nuclear weapons testing time points)
IT DNA
RL: ANT (Analyte); PRP (Properties); ANST (Analytical study)
 (retrospective birth dating of cells in humans based on 14C in genomic
 DNA related to nuclear weapons testing time points)
IT 14762-75-5, analysis
RL: ANT (Analyte); BUU (Biological use, unclassified); ANST (Analytical
study); BIOL (Biological study); USES (Uses)
 (retrospective birth dating of cells in humans based on 14C in genomic
 DNA related to nuclear weapons testing time points)

LS 24 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 20-3 (History, Education, and Documentation)
TI Anatomical, cellular and molecular analysis of 8,000-yr-old human
brain tissue from the Windover archaeological site
ST ancient brain tissue mol analysis; radiocarbon
 dating archaeol human bone; DNA archaeol human tissue
IT Archaeology
 (human bone and **brain** tissue anal. in relation to)
IT Deoxyribonucleic acids
RL: PROC (Process)
 (of ancient human **brain**, anal. of)
IT Deoxyribonucleic acid sequences
 (of ancient human **brain**, identification of)
IT Bone
 Brain
 (of ancient human, anatomical, cellular, and mol. anal. of)

LS 24 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Carcass of a bowhead whale (*Balaena mysticetus*) found in the lateral
moraine of the Jemelianovbreen glacier, eastern Svalbard.
IT Miscellaneous Descriptors
 CARCASS; ICE-FLOW; JEMELIANOVBREEN GLACIER; LATERAL MORAINE; LITTLE ICE
 AGE; SEDIMENT BANDS; SVALBARD; ZOOLOGY

LS 24 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Dating bog bodies by means of 14C-AMS.
IT Methods & Equipment
 accelerated mass spectrometry [AMS]: laboratory techniques, spectrum
 analysis techniques; carbon-14 dating [**radiocarbon**
 dating]: applied and field techniques

IT Miscellaneous Descriptors
human bodies [human corpses]; leather; peat bogs; textiles; wood

LS 24 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI POST-MAZAMA NATRARGIDS IN DIXIE VALLEY NEVADA USA.

IT Miscellaneous Descriptors
TORRIFLUVENT TORRIORTHENT PRECIPITATION RADIO CARBON
DATING ARID SOIL NATRIC HORIZON QUATERNARY BASIN FILL VOLCANIC
ASH TEMPERATURE/

LS 24 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI 8000-YEAR-OLD BRAIN TISSUE FROM THE WINDOVER SITE FLORIDA USA
ANATOMICAL CELLULAR AND MOLECULAR ANALYSIS.

IT Miscellaneous Descriptors
HUMAN MITOCHONDRIAL DNA OSTEOLOGY CULTURAL MATERIAL RADIOCARBON
DATING HISTOLOGY POPULATION GENETICS APPLICATION

LS 24 ANSWERS (c) 2005 FAO (on behalf of the ASFA Advisory Board) All rights reserved.
TI Coastal uplift, earthquakes and active faulting of Rhodes Island (Aegean Arc): modeling based on geodetic inversion
CC 2266 TECTONICS AND CRUSTAL STRUCTURE
CT Oceanic islands; Tectonics; Uplift; Earthquakes; Faults; Seismology
UT Modelling; Greece, Aegean Islands, Dodecanese, Rhodes
GT MED, Greece, Notio Aigaio, Dodekanisos, Rodos; MED, Aegean Sea

LS 24 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 2 (General and Physical Chemistry)
TI Low angle x-ray analysis with counting tubes connected in anticoincidence
IT Globulins
(blood-serum γ -, x-ray low-angle scattering of)
IT Counters
(for x-ray analysis, in anticoincidence)
IT X-rays
(scattering of, analysis of, with counting tubes in anticoincidence)

LS 24 ANSWERS (c) 2005 FAO (on behalf of the ASFA Advisory Board) All rights reserved.
TI Origin of the lethal gas burst from Lake Monoun, Cameroun.
CC 2187 GEOCHEMISTRY OF SEDIMENTS
CT disasters; geological hazards; freshwater lakes; lake dynamics; carbon dioxide; radiocarbon dating; gases
GT Cameroon, Monoun L.

LS 24 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Two late-Glacial avifaunas from eastern North Island, New Zealand: Te Aute Swamp and Wheturau Quarry.
IT Methods & Equipment
radiocarbon dating: dating method
IT Miscellaneous Descriptors
open shrubland; paleoenvironment; Fossil

LS 24 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 20-3 (History, Education, and Documentation)
Section cross-reference(s): 79
TI The mystery of the Persian mummy: original or fake?
ST archaeol radiocarbon dating Persian mummy AMS Soxhlet
extn authenticity
IT Extraction
(Soxhlet; 14C dating of Persian mummy)
IT Cadaver
(mummy; 14C dating of Persian mummy)
IT Accelerator mass spectrometry
Archaeology
Bone

Muscle
Radiocarbon age
 Radiocarbon dating
 Skin
Straw
Textiles
 (14C dating of Persian mummy)

IT Charcoal
Collagens, analysis
Waxes
RL: ANT (Analyte); ANST (Analytical study)
 (14C dating of Persian mummy)

IT 14762-75-5, Carbon-14, occurrence
RL: OCU (Occurrence, unclassified); OCCU (Occurrence)
 (14C dating of Persian mummy)

L5 24 ANSWERS CAPLUS COPYRIGHT 2005 ACS on STN
CC 9-4 (Biochemical Methods)
Section cross-reference(s): 76

TI Some interesting measurements with quadrupole mass spectrometers
ST mass spectroscopy biol application

IT **Blood** analysis
 (carbon dioxide and oxygen determination in, by mass spectroscopy)

IT Mass spectra
 (of dichloroketone and halothane)

IT Mass spectroscopy
 (quadrupole, biol applications of)

IT 124-38-9, analysis 7782-44-7, analysis
RL: ANT (Analyte); ANST (Analytical study)
 (determination of, in **blood** and fermentors by quadrupole mass spectroscopy)

IT 7727-37-9, analysis
RL: ANT (Analyte); ANST (Analytical study)
 (determination of, in fermenter by mass spectroscopy)

IT 79-37-8 151-67-7
RL: PRP (Properties)
 (mass spectrum of)

L5 24 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Human beta-globin gene on ancient artifacts.

IT Miscellaneous Descriptors
 BACKSCATTERED ELECTRON MICROSCOPY; BLOOD DEPOSIT; DNA
 CLONING; DNA HYBRIDIZATION; IMMUNOHISTOCHEMISTRY; MASS SPECTROMETRY;
 MEETING ABSTRACT; RADIOCARBON DATING

L5 24 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Pre-Columbian treponemal disease from 14th century AD Safed, Israel, and
 implications for the medieval eastern Mediterranean.

IT Miscellaneous Descriptors
 Medieval times

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CC 48 (Unit Operations and Processes)

TI Radiotracer technique. II. Applications

ST CESIUM IN SEA WATER TECHNIQUES; CORROSION RADIOTRACER TECHNIQUES; REVIEW
 RADIOTRACER TECHNIQUES USES; ARSENIC IN BLOOD RADIOTRACER TECH;
 RADIOCARBON DATING; WEAR RADIOTRACER TECHNIQUES;
 RADIOTRACER TECHNIQUES USES REVIEW; DIFFUSION RADIOTRACER TECHNIQUES

IT Isotopes
RL: USES (Uses)
 (as indicators)

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=> ind all
FILE 'ENCOMPLIT2' ACCESS NOT AUTHORIZED
FILE 'ENCOMPPAT2' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                                ENTRY      SESSION
FULL ESTIMATED COST          15.66      33.29

INDEX '1MOBILITY, 2MOBILITY, ABI-INFORM, ADISCTI, AEROSPACE, AGRICOLA,
      ALUMINIUM, ANABSTR, ANTE, APOLLIT, AQUALINE, AQUASCI, AQUIRE, BABS,
      BIBLIODATA, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS,
      BIOTECHDS, BIOTECHNO, BLLDB, CABA, CANCERLIT, ...'
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144 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s (carbon(w)dating or radiocarbon(w)dating) AND (DNA or "nucleic acid" or RNA)
    2  FILE AGRICOLA
    1  FILE ANABSTR
    1  FILE AQUASCI
    2  FILE BIOENG
   27  FILE BIOSIS
  19 FILES SEARCHED...
    1  FILE BIOTECHABS
    1  FILE BIOTECHDS
    4  FILE BIOTECHNO
    3  FILE CABA
   15  FILE CAPLUS
  27 FILES SEARCHED...
    2  FILE COMPENDEX
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=> file biosis caplus
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                                ENTRY      SESSION
FULL ESTIMATED COST          2.95      36.24

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=> s (carbon(w)dating or radiocarbon(w)dating) AND (DNA or "nucleic acid" or RNA)
<-----User Break----->

SEARCH ENDED BY USER
L6          27 (CARBON(W) DATING OR RADIOCARBON(W) DATING) AND (DNA OR "NUCLEIC
              ACID" OR RNA)

=> d scan

L6  27 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI  Life span and biomass allocation of stunted black spruce clones in the
      subarctic environment.
IT  Miscellaneous Descriptors
      aboveground biomass; belowground biomass; biomass allocation; clonal
      growth habit; krummholz; layering; leaf:wood ratio; life span;
      longevity; senescence; stand age; subarctic environment; surface area;
      tree line

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HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):26

L6 27 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI The Neandertal type site revisited: Interdisciplinary investigations of skeletal remains from the Neander Valley, Germany.

IT Methods & Equipment
accelerator mass spectrometry **radiocarbon dating**:
dating method; mitochondrial DNA analysis: genetic method

IT Miscellaneous Descriptors
Neandertal type site; skeletal remains

L6 27 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Takaka Fossil Cave: A stratified Late Glacial to Late Holocene deposit from Takaka Hill, New Zealand.

IT Methods & Equipment
radiocarbon dating: laboratory techniques

IT Miscellaneous Descriptors
paleoenvironment; pitfall trap

L6 27 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Pleistocene brown bears in the mid-continent of North America.

IT Sequence Data
AY796010: DDBJ, EMBL, GenBank, amino acid sequence, nucleotide sequence; AY796011: DDBJ, EMBL, GenBank, amino acid sequence, nucleotide sequence

IT Methods & Equipment
biogeographic model: applied and field techniques, mathematical and computer techniques; cladistic analysis: mathematical and computer techniques; **radiocarbon dating**: applied and field techniques

IT Miscellaneous Descriptors
ice-free corridor; mid-continental corridor; mid-continental migration

L6 27 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Damaliscus niro horns from Wonderwerk Cave and other Pleistocene sites: morphological and chronological considerations.

IT Methods & Equipment
radiocarbon dating: laboratory techniques

IT Miscellaneous Descriptors
guano-mining operation

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TI Archeo-cell biology: Carbon dating is not just for pots and dinosaurs.

IT Methods & Equipment
carbon-14 dating: laboratory techniques

IT Miscellaneous Descriptors
life span; birth dating

L6 27 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Human beta-globin gene on ancient artifacts.

IT Miscellaneous Descriptors
BACKSCATTERED ELECTRON MICROSCOPY; BLOOD DEPOSIT; DNA CLONING; DNA HYBRIDIZATION; IMMUNOHISTOCHEMISTRY; MASS SPECTROMETRY; MEETING ABSTRACT; **RADIOCARBON DATING**

L6 27 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI A molecular analysis of ground sloth diet through the last glaciation.

IT Methods & Equipment
molecular analysis: analytical method; **radiocarbon dating**: dating method

IT Miscellaneous Descriptors
GenBank; coprolite; diet

L6 27 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

TI Brief communication: Molecular analysis of the Kwaday Dan Ts'inchi ancient remains found in a glacier in Canada.

IT Methods & Equipment

polymerase chain reaction: analytical method; **radiocarbon dating**: dating method; restriction enzyme analysis: analytical method

IT Miscellaneous Descriptors

Kwaday Dan Ts'inchi ancient remains

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TI Paleoecological and genetic analyses provide evidence for recent colonization of native *Phragmites australis* populations in a Lake Superior wetland.

IT Methods & Equipment

genetic analysis: genetic techniques, laboratory techniques; **radiocarbon dating**: applied and field techniques

IT Miscellaneous Descriptors

anthropogenic impact; biodiversity conservation; coastal wetland; community composition change; environmental change; genetic variation; inland wetland community integrity; macrofossil record; native population expansion; paleoecology; palynology; recent colonization; stratigraphic change; wetlands ecology

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TI Close genetic relationship of early Neolithic cattle from Ziegelberg (Freising, Germany) with modern breeds.

IT Methods & Equipment

nested PCR [nested polymerase chain reaction]: genetic techniques, laboratory techniques; **radiocarbon dating**: laboratory techniques; touchdown PCR [touchdown polymerase chain reaction]: genetic techniques, laboratory techniques

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TI A late Neandertal femur from Les Rochers-de-Villeneuve, France.

IT Methods & Equipment

radiocarbon dating: laboratory techniques

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TI ISOLATION AND CHARACTERIZATION OF DNA FROM TISSUE OF THE WOOLLY MAMMOTH *MAMMUTHUS-PRIMIGENIUS*.

IT Miscellaneous Descriptors

ASIAN ELEPHANT **RADIOCARBON DATING** CHROMATOGRAPHY
NUCLEIC-ACID HYBRIDIZATION THERMAL DENATURATION
ANALYSIS HOMOLOGY; Fossil

L6 27 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

TI Molecular genetic characteristics of the Neolithic population of the Baikal region: RFLP of the ancient mtDNA from osseous remains found in the Ust-Ida I burial ground.

IT Methods & Equipment

RFLP [restriction fragment length polymorphism]: DNA amplification method

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TI Methods for the study of ancient hair: Radiocarbon dates and gene sequences from individual hairs.

IT Methods & Equipment

accelerator mass spectrometry **radiocarbon dating**: dating method; **radiocarbon dating**: dating method

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TI New ages for human occupation and climatic change at Lake Mungo, Australia.

IT Methods & Equipment

radiocarbon dating: applied and field techniques;

stratigraphy: applied and field techniques
IT Miscellaneous Descriptors
adaptation; chronology; climate; cremation; ritual ochre burial

L6 27 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Current perspectives of 14C-isotope measurement in biomedical accelerator mass spectrometry.

IT Methods & Equipment
accelerator mass spectrometry [AMS]: laboratory techniques, spectrum analysis techniques; biomedical accelerator mass spectrometry: laboratory techniques, spectrum analysis techniques; carbon-14 isotope measurement: laboratory techniques

L6 27 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Mitochondrial DNA analysis of dental remains from two Honduran ossuary caves.

IT Methods & Equipment
DNA extraction: laboratory techniques, genetic techniques; radiocarbon dating: laboratory techniques

IT Miscellaneous Descriptors
genetic diversity; ossuary cave; contemporaneous

L6 27 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Prehistoric contacts over the Straits of Gibraltar indicated by genetic analysis of Iberian Bronze Age cattle.

IT Methods & Equipment
radiocarbon dating: laboratory techniques

IT Miscellaneous Descriptors
haplotype; prehistoric contacts; archaeological finds; farming culture

L6 27 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI LATE PLEISTOCENE PALEOECOLOGY AND ARCHAEOLOGY IN THE SOUTHERN CAPE SOUTH AFRICA.

IT Miscellaneous Descriptors
HUMAN ANATOMICALLY MODERN PEOPLE BEHAVIOR DNA POLYMORPHISM
POPULATION GENETICS RADIOCARBON DATING

L6 27 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Molecular analysis of Neanderthal DNA from the northern Caucasus.

IT Methods & Equipment
PCR [polymerase chain reaction]: DNA amplification method, analytical method; phylogenetic analysis: systematic method; radiocarbon dating: age estimation method

IT Miscellaneous Descriptors
genetic divergence; molecular diversity; Fossil

L6 27 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Ectomycorrhizal fungi introduced with exotic pine plantations induce soil carbon depletion.

IT Miscellaneous Descriptors
paramo grassland communities; soil carbon depletion

L6 27 ANSWERS BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI Compilation of DNA sequences from the Iceman's grass clothing.

IT Methods & Equipment
radiocarbon dating: applied and field techniques

IT Miscellaneous Descriptors
Neolithic; grass clothing; phylogenetic trees

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TI A contribution to the nutritional history of prehistoric Sardinia (Italy): Preliminary results of isotopic analyses of bone collagen, bone apatite and tooth enamel.

IT Methods & Equipment

